IN THE CLAIMS

Please amend claims 1-3, 6-11, and 13 by rewriting same to read as follows.

--1. (Currently Amended) A digital signal processing device to which, after digital signals are subjected to predetermined processing, a processed digital signal having signal amplitude values exceeding signal amplitude values of said digital signals is inputted, said digital signal processing device comprising:

first delta sigma modulating means including first quantizing means having quantized amplitude values \underline{for} allowing at least quantization of \underline{a} signal amplitude of said inputted processed digital signal; and

second delta sigma modulating means including second quantizing means having quantized amplitude values equal to the signal amplitude values of said digital signals for quantizing a modulated signal outputted output from said first delta sigma modulating means.

--2. (Currently Amended) The digital signal processing device as claimed in claim 1,

wherein said second delta sigma modulating means further includes delaying means for delaying a part of a quantized signal outputted output from said first quantizing means and outputting the delayed part to said second quantizing means when quantized data outputted output from said first quantizing means has an amplitude value exceeding the quantized amplitude values of said second quantizing means.

--3. (Currently Amended) The digital signal processing device as claimed in claim 1,

wherein said first quantizing means of said first delta sigma modulating means performs quantization with quantized values, each comprising n bits (n is 2 or more), and uses two values having a zero interposed between the two values and separated from the two values by equal quantities and values having a difference equal to a difference between the two values as the quantized values.

--4. (Original) The digital signal processing device as claimed in claim 3,

wherein said second quantizing means of said second delta sigma modulating means uses values equal to two least significant quantized values of the quantized values of said first quantizing means as quantized values.

--5. (Original) The digital signal processing device as claimed in claim 1,

wherein said second quantizing means of said second delta sigma modulating means averages energy by converting a delta sigma modulated output of said first delta sigma modulating means to one bit.

--6. (Currently Amended) A digital signal processing method in which digital signals are subjected to predetermined processing, and a processed digital signal having signal amplitude values exceeding signal amplitude values of said digital signals is inputted, said digital signal processing method comprising:

a step <u>for of subjecting said inputted processed digital</u> signal to delta sigma modulation[[,]] <u>to produce a delta sigma modulated signal</u> and quantizing <u>an amplitude of said delta sigma modulated signal with at least quantized values not less than the <u>signal</u> amplitude values of said processed digital signal <u>to produce a quantized modulated signal</u>; and</u>

a step <u>for of quantizing said quantized modulated signal</u> into quantized amplitude values equal to the signal amplitude values of said digital signals.

--7. (Currently Amended) The digital signal processing method as claimed in claim 6,

[wherein] <u>further comprising</u>, when quantizing said quantized modulated signal into the quantized amplitude values equal to the signal amplitude values of said digital signals, a step of delaying processing for quantizing a part where a quantized value of said quantized modulated signal exceeds the signal amplitude values of said digital signals is delayed.

--8. (Currently Amended) The digital signal processing method as claimed in claim 6,

wherein the <u>delta sigma modulated</u> signal obtained by subjecting said inputted processed digital signal to delta sigma modulation is quantized by n bits (n is 2 or more), and two values having <u>a</u> zero interposed between the two values and separated from the two values by equal quantities and values having a difference equal to a difference between the two values are used as quantized values.

--9. (Currently Amended) The digital signal processing method as claimed in claim 8,

wherein the step <u>for of</u> quantizing said quantized modulated signal into the quantized amplitude values equal to the signal amplitude values of said digital signals uses values equal to two least significant quantized values of the quantized values for quantizing said quantized modulated signal into the quantized amplitude values equal to the signal amplitude values of said digital signals as quantized values.

--10. (Currently Amended) A digital signal processing device to which, after digital signals represented by one bit are subjected to predetermined signal processing, a digital signal processed digital signal having signal level exceeding said one bit is inputted, said digital signal processing device comprising:

first quantizing means for outputting two values having, zero interposed between the two values and separated from the two values by equal quantities and values having a difference equal to a difference between the two values as a first group

of quantized values, each comprising n bits (n is 2 or more); and

second quantizing means for outputting values equal to two least significant quantized values of the first group of quantized values outputted output by said first quantizing means as a second group of quantized values[[;]],

wherein said second quantizing means averages energy of said first group of quantized values outputted <u>output</u> by said first quantizing means and outputs said second group of quantized values.

--11. (Currently Amended) The digital signal processing device as claimed in claim 10, further comprising integrating means disposed between said first quantizing means and said second quantizing means[[,]] for integrating said first group of quantized values and supplying an integration result to said second quantizing means,

wherein said integrating means accumulates an amount of excess of said first group of quantized values outputted by said first quantizing means over said second group of quantized values, adds an opposite sign in timing in which the

amount of excess is dischargeable, and supplies the amount of excess to said second quantizing means.

--12. (Original) The digital signal processing device as claimed in claim 11,

wherein second quantizing means outputs said second group of quantized values in such a manner as to retain a total amount of energy of said first group of quantized values.

--13. (Currently Amended) The digital signal processing device as claimed in claim 11,

wherein said second quantizing means outputs two least significant values of said first group of quantized values as they are, after said amount of excess is cleared from said integrating means.